US 20030021455A1

(19) United States

(12) Patent Application Publication (10) Pub. No.: US 2003/0021455 A1

Dixon et al. (43) Pub. Date: Jan. 30, 2003

(54) IMAGING SYSTEM INCLUDING DETECTOR FRAMING NODE

(75) Inventors: Walter Vincent Dixon, Delanson, NY (US); Nick Andrew Van Stralen, Ballston Lake, NY (US); Robert Gideon Wodnicki, Schenectady, NY (US)

Correspondence Address:
GENERAL ELECTRIC COMPANY
CRD PATENT DOCKET ROOM 4A59
P O BOX 8
BUILDING K 1 SALAMONE
SCHENECTADY, NY 12301 (US)

(73) Assignee: General Electric Company

(21) Appl. No.: 09/774,549

(22) Filed: Jan. 31, 2001

Publication Classification

(51) Int. Cl.[7] G06K 9/00

(52) U.S. Cl. 382/132

(57) ABSTRACT

An imaging system includes a programmable detector framing node controlling generation of radiation and controlling radioscopic image detection. Radioscopic image data is acquired and communicated independently of a host computer operating system. The detector framing node controls events in real time according to an event instruction sequence and communicates received radioscopic image data to host memory through a computer communication bus. Image data is received from a selected flat panel detector of a plurality of different flat panel detectors. The image data is selectively reordered according to parameters of the selected flat panel detector before communication to host memory.